PDF Controller 3

HTML to Postscript for TYPO3

Offer your HTML page for PDF download. Control the conversion with the integrated user interface.

Version: 4.0.6 - 2015-08-27

Extension Key: pdfcontroller

Language: en

Keywords: PDF, html2ps, postscript, tcpdf

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Table of Contents

Introduction

What does it do?

- The PDF Controller 3 converts HTML to PDF.

- The PDF Controller 3 is controlled by

  - an user interface (flexform)

  - and TypoScript

- The PDF Controller 3 has a second plugin: the PDF Controller Button. It enables a quick start.

- The PDF engine is TCPDF for TYPO3 (t3_tcpdf)

- The PDF Controller manages frontend user sessions.
  You can use the PDF Controller on pages which are restricted for frontend users.

- The PDF Controller 3 enables you, to extend TCPDF with your own fonts.

- The fonts of the extension PDF Controller 3 Additional Fonts (pdfcontroller_fonts) will installed automatically.
  You have to install PDF Controller 3 Additional Fonts only.

Restrictions

- The CSS compatibility is on a small level. It is similar like CSS for HTML in e-mails (newsletters).

Manual as PDF file

You find this manual as PDF file at

- doc/manual.pdf

- http://typo3-pdfcontroller.de/typo3conf/ext/pdfcontroller/doc/manual.pdf

Website

The PDF Controller 3 has a website. Please visit

- English
  http://typo3-pdfcontroller.de/en/

- German
  http://typo3-pdfcontroller.de/

Forum

The PDF Controller 3 has a forum (see Forum on page 19 below).

Installation

- Install the extensions

  - TCPDF for TYPO3 (t3_tcpdf)

  - PDF Controller 3 (pdfcontroller)

- Include the static TypoScript template "PDF Controller 3 (pdfcontroller)" into the static template of your root page.

- Create in your library folder (or everywhere) the page (not a folder!):

  - PDF Controller

- Add to the page PDF Controller the plugin PDF Controller User Interface

- Add the plugin PDF Controller Button to the page, which should be downloadable as a PDF document.

- Configure the plugin PDF Controller Button by the TypoScript Constant Editor. See CONSTANT EDITOR categories

  - [PDF CONTROLLER - PAGES USER INTERFACE]

  - [PDF CONTROLLER - URL]

That's all.

Test the PDF Controller 3: Click the PDF Controller button in your frontend.

System Requirements

Check it by the Plugin!

You can check your system supported by the plugin PDF Controller 3 User Interface. See

- first tab [Check!] and
- the last tab [Debugging]

[Check!]

Check for [FE][lockHashKeyWords]

[FE][lockHashKeyWords] must be empty.

You can configure the property by

- Modul: System > Install
- All configuration
- Look for "lockHashKeyWords"

```
$TYPO3_CONF_VARS['FE']['lockHashKeyWords'] = '';
```

Check for [FE][lockIP]

[FE][lockIP] must be 0.

You can configure the property by

- Modul: System > Install
- All configuration
- Look for "lockIP"

```
$TYPO3_CONF_VARS['FE']['lockIP'] = '';
```

[Development]

Mode

Production (default)

Get your website content as PDF file.

Test: Display HTML

Get your website content as HTML file. You can check, which HTML will delivered to the PDF generator.

Test: TCPDF example 61 "XHTML+CSS" (HTML)

TCPDF provides a lot of samples on the TCPDF website.

This test enables you to check, if your server generates the needed HTML of the TCPDF webiste.

You can compare the HTML code – especially the CSS code – with the HTML code, which you are using for PDF generating. If something isn't running proper, maybe you are able to find the unproper HTML code or the unproper CSS code.

Test: TCPDF example 61 "XHTML+CSS" (PDF)

TCPDF provides a lot of samples on the TCPDF website. This test enables you to check, if your server generates the same PDF like the server of the TCPDF webiste. It should be the same PDF file. If it isn't, maybe the PDF Controller doesn't run proper.

PDF file for comparison:
http://www.tcpdf.org/examples/example_061.pdf

Development: Display TypoScript

This dsiplays the TypoScript, which is the base for TYPO3 for rendering the HTML or PDF file.

If something isn't running proper, maybe you are able to find the unproper TypoScript code.

DRS (Development Reporting System)

You need the extension

- Developer Log (devlog)

If you are enabling the DRS (Development Reporting System), you will get a report in the devlog.

disabled (recommended)

Any prompt won't sent to devlog.

all: errors, warnings and infos

The PDF Controller sends all prompts to devlog.

session-management

The PDF Controller sends prompts to devlog in context with the session management.

The PDF Controller prompts the

- URL with the FE_SESSION_KEY

among others, if a fe_user is logged in.

You can check, if this URL is proper:

- Take a browser without any current session.
- Copy this URL into the address field of the Browser.
- If the Browser displays the content for fe_users, which are logged in, everything seem's to be proper.
- If it displays content for fe_users, which aren't logged in, the URL isn't proper.

CSS

The CSS compatibility is on a small level. It is similar like CSS for HTML in e-mails (newsletters).

Any CSS by default

Please take care of the default TypoScript configuration:

pdfcontrollerPrint.config.disableAllHeaderCode is disabled by default.
This effects both:

- any CSS isn't included by default

- pdfcontrollerPrint.includeCSS will ignored.

Include your CSS

By a Content Element (recommended)

The recommended way for including your CSS is, to include it as a content element like in the sample below:

```
pdfcontrollerPrint.10 {
  10 = TEXT
  10.value (
    <style>
      ...
    </style>
  )
}
```

By a File (not recommended)

You may include a CSS file too. But the way below isn't recommended, because you are enabling the including of all header code and you can receive unwanted CSS data delivered by TYPO3 and TYPO3 extensions.

```
pdfcontrollerPrint {
  config {
    disableAllHeaderCode = 0
  }
  includeCSS {
    mycss = fileadmin/my.css
  }
}
```

If you like to include a CSS file, please check the rendered HTML code of the pdfcontrollerPrint page: It should not include any other CSS data.

CSS properties

Rules

The CSS compatibility is on a small level. It is similar like CSS for HTML in e-mails (newsletters).

Please take care of some rules

```
/*
 *  Don't use:
 *    h1, h2 { ...
 *  Use only:
 *    h1 { ...
 *    h2 { ...
 *
 * Isn't supported:
 *  * a
 *    * color          : Use the PDF Controller user interface (flexform). See tab [tags].
 *    * text-decoration  : Use the PDF Controller user interface (flexform). See tab [tags].
 *  * line-height      : There isn't any alternate.
                         Internal note: :TODO: TCPDF::setCellHeightRatio( )
 *  * list-style-type  : There isn't any alternate.
                         Internal note: :TODO: TCPDF::setListIndentWidth( ), TCPDF::setLIsymbol( )
 *  * margin           : Use TypoScript plugin.tx_pdfcontroller_pi1.pdf.css.margin
                         You can add every tag
                         Internal note: TCPDF::setHtmlVSpace( )
 *  * padding          : There isn't any alternate
*/
```

Sample

```
body {
  color: green;
  font-family: helvetica;
}
h1 {
  color: orange;
  font-family: times;
  font-size: 24pt;
  text-decoration: underline;
}
h2 {
  color: brown;
  font-family: courier;
  font-size: 16pt;
}
p {
  color: red;
  font-family: helvetica;
  font-size: 12pt;
}
```

Pagebreak

```
@media print {
  h1 {
    page-break-before:always;
  }
  div {
    page-break-before:auto;
  }
  #content {
    page-break-before:avoid;
  }
}
```

Images

Move <div> to <table>

Images are wrapped with <div>-tags by default. But <table>-tags are the proper one. See the TypoScript code snippet below.

```
## images
tt_content.image {
  20 {
    renderMethod = simple
    rendering {
      simple {
        imageStdWrapNoWidth.wrap = |
        imageStdWrap.dataWrap = |
        caption.wrap = |
      }
    }
    layout {
      default {
        value (
          <table cellspacing="0" cellpadding="0" style="width: 100%; text-align: left; margin: 0;">
            <tr>
              <td valign="top" align="center" style="text-align: center;">
                ###IMAGES###
              </td>
            </tr>
            <tr>
              <td valign="top">
                ###TEXT###
              </td>
            </tr>
          </table>
        )
        override >
      }
      // 150622, dwildt, +: intext-right-nowrap
      25 = TEXT
      25 {
        value (
          <table cellspacing="0" cellpadding="0" style="width: 100%; text-align: left; margin: 0;">
            <tr>
              <td valign="top">
                ###TEXT###
              </td>
              <td valign="top"style="padding:0 10px 0 10px;">
                ###IMAGES###
              </td>
            </tr>
          </table>
        )
        override >
      }
      // 150622, dwildt, +: intext-left-nowrap
      26 = TEXT
      26 {
        value (
          <table cellspacing="0" cellpadding="0" style="width: 100%; text-align: left; margin: 0;">
            <tr>
              <td valign="top"style="padding:0 10px 0 10px;">
                ###IMAGES###
              </td>
              <td valign="top">
                ###TEXT###
              </td>
            </tr>
          </table>
        )
        override >
      }
    }
  }
}
```

Reference

tx_pdfcontroller: PDF Controller User Interface

plugin.tx_pdfcontroller.settings is the former plugin.tx_pdfcontroller_pi1.

tx_pdfcontroller_pi1 [DEPRECATED!]

TypoScript is moved from plugin.tx_pdfcontroller_pi1 to plugin.tx_pdfcontroller.settings.

tx_pdfcontroller_pi2: PDF Controller Button

Property:	Data type:	Description:
button	IMAGE	(see code below)

```
plugin.tx_pdfcontroller_pi2 {
    // empty statement for proper comments only
  button {
  }
  button = IMAGE
  button {
    wrap = | 
    file = {$plugin.pdfcontroller.button.icon}
    altText {
      stdWrap {
        cObject = TEXT
        cObject {
          value = Download content as PDF file
          lang {
            de = Inhalt als PDF-Datei herunterladen
          }
        }
      }
    }
    titleText < .altText
    imageLinkWrap = 1
    imageLinkWrap {
      enable = 1
      typolink {
        parameter {
          cObject = COA
          cObject {
              // url
            10 = TEXT
            10 {
              data = page:uid
            }
              // target
            20 = TEXT
            20 {
              value       = _blank
              noTrimWrap  = | "|"|
            }
              // class
            30 = TEXT
            30 {
              value       = -
              noTrimWrap  = | "|"|
            }
              // title
            40 = TEXT
            40 {
              value       = -
              stdWrap {
                stripHtml        = 1
                htmlSpecialChars = 1
                crop             = 30
              }
              noTrimWrap  = | "|"|
            }
          }
        }
        additionalParams  = \
          &type={$plugin.pdfcontroller.pages.pdf.typeNum}
        ATagParams        = rel="nofollow"
      }
    }
  }
}
```

Upgrades

From 3.x to 4.x

TypoScript

TypoScript is moved from plugin.tx_pdfcontroller_pi1 to plugin.tx_pdfcontroller.settings.

Keep it in mind, if you have to update the setup of your TypoScript.

From 2.x to 3.x

:ToDo: Write some text

Howto

Fonts: Install custom fonts

This is an example for TTF-fonts (True Type Fonts) only.

See details at:

- http://www.tcpdf.org/fonts.php
- typo3conf/ext/t3_tcpdf/tcpdf/tools/convert_fonts_examples.txt

Create a font directory

Create a font directory like

- fileadmin/myfonts[1]
- typo3conf/ext/myextension/fonts[2]

Sample directories

- TCPDF tools
  /var/www/mytypo3/typo3conf/ext/t3_tcpdf/tcpdf/tools$
- TTF-files source folder (input folder in the samle below: -i)
  ~/Downloads/
- TTF-files destination folder (output folder in the samle below: -o)
  /var/www/mytypo3/typo3conf/ext/pdfcontroller_fonts/fonts

Move *.ttf to TCDF font definition files

```
name@server:/var/www/mytypo3/typo3conf/ext/t3_tcpdf/tcpdf/tools$ \
   ./tcpdf_addfont.php -b -t TrueTypeUnicode -f 32 \
   -o /var/www/typo3_62.local/typo3conf/ext/pdfcontroller_fonts/fonts \
   -i ~/Downloads/Noto_Sans/NotoSans-BoldItalic.ttf
```

Update the PDF Controller Interface

Tab [Fonts] > field "Relative path to my fonts directory"

Enter your path. I.e: fileadmin/myfonts[3]

Run the PDF Controller

Run the PDF Controller in the frontend once.

Remove installed Fonts

- Remove the extension PDF Controller Fonts (pdfcontroller_fonts)
- Update the extension TCPDF for TYPO3 (t3_tcpdf)

---

1   The absolute path must contain letter in lower case only!
2   dito
3   dito

Known Bugs

See https://forge.typo3.org/projects/extension-pdfcontroller/issues

FAQ

How do I disable the Google Chrome PDF Viewer?

If you have trouble with the Google Chrome Browser, please disable it:

1. URL: chrome://plugins
2. Disable the "Chrome PDF Viewer"

FAQ

Further Information

Other extensions published by Die Netzmacher

- +AOE Linkhandler Configurator: Configure the AOE linkhandler supported by userinterfaces. Out-of-the-box templates for cal, org, tt_news and tt_products. Don't edit page TSconfig any longer. http://typo3.org/extensions/repository/view/linkhandlerconf/

- autositemap: A smart site-map optimised for the footer. It groups menus in columns. Great menus will get two columns. Configuration is based on TypoScript HMENU. http://typo3.org/extensions/repository/view/autositemap/

- Browser – TYPO3 without PHP. Develop your TYPO3 extension 8 times faster! You need one line TypoScript for a result list with a search form, a record browser and an index browser. Images are wrapped self-acting. SEO, Search Engine Optimization, is integrated. http://typo3.org/extensions/repository/view/browser/

- Caddy – the TYPO3 shopping cart. You can use it for your own needs. You need a database with products or any other items only. You can install Caddy out of the box with one mouse click – see Quick Shop below. http://typo3.org/extensions/repository/view/caddy/

- Deal! – TYPO3 Quick Shop interface for the marketplace ebay. Manage all items with TYPO3 and publish it on ebay. Amazon is under construction. http://typo3.org/extensions/repository/view/deal/

- Flip it! offers lovely and smooth page flip transitions. It enables you to run over pages in PDF documents like in a real magazine. It is based on flash. Flipt it! can convert PDF documents to swf files automatically. http://typo3.org/extensions/repository/view/flipit/

- Jobmarket is a catalogue with job offers. Views, the a-z-browser, the page-browser, the search, social bookmarks and a lot of other stuff can configured by the Browser plugin with the mouse. Job Market hasn't any PHP code, it should be easy to adapt it to your needs. http://typo3.org/extensions/repository/view/job_market/

- Majordomo: For subcribing to and unsubscribing from a majordomo mailing list. http://typo3.org/extensions/repository/view/majordomo/

- Organiser – TYPO3 for the lobby and the organisers. Handle news, events, staff, headquarters, locations, workshops and a calendar with one extension. Sell online tickets! Install the Organiser with one mouse click! http://typo3-organiser.de/

- Quick Shop – the fastest shop in the history of TYPO3. Install it with one mouse click! Quick Shop is based on the browser (see above) and powermail. http://typo3-quick-shop.de/

- PDF Controller: Easy to install. Add to your HTML page the PDF-controller-button. Link from the button to the controller. Adjust the controller by mouseclicks. The PDF Controller supports CSS 3. http://typo3-pdfcontroller.de/

- Radial Search (Umkreissuche) – Enable the browsing through your data by geo location. 'Your data must have a latitude and a longitude. Address data can geocoded automatically by the Browser - TYPO3 without PHP. http://typo3.org/extensions/repository/view/radialsearch/

- Route – Publish your routes with GoogleMaps or OpenStreetMap. Routes have points of interest (POI). You can categorise and filter both: routes and POI. Address data can geocoded automatically. http://typo3.org/extensions/repository/view/route/

- seo_dynamic_tag: Search Engine Optimization for the title tag, the canonical tag and the meta tags author, description and keywords. Configuration by a user interface. http://typo3.org/extensions/repository/view/seo_dynamic_tag/

- TSconfig Pages and Users by extManager (extkey: tsconf): Configure the the eight most commonly used TSconfig porperties with the mouse - like page tree uids, activated extended view, activated clipboard, ... http://typo3.org/extensions/repository/view/tsconf/

SEO - Search Engine Optimisation

You are optimising your website for search engines in principle, that your content will be found and indexed in a meaningful context.

But if your are offering an HTML page for PDF download and for optimised printing, you don't like the a twice or triple indexing - because of performance.

rel="nofollow"

Links to the pdf controller shouldn't indexed by default.

The <a> tag has the property rel="nofollow"

This effects that search engines doesn't follow the link - they don't download your PDF document. They don't index it.

That's what you want.

If you have a need to index PDF documents by search engines, please remove the TypoScript ATagParams. See the snippet below.

TypoScript snippet

```
plugin.tx_pdfcontroller_pi2 {
  button = IMAGE
  button {
    ...
    imageLinkWrap {
      enable = 1
      typolink {
        ...
        ATagParams = rel="nofollow"
      }
    }
  }
}
```

Credits

Netconsult AG

[3.0.0]

Thanks to the Netconsult AG, who contracted a part the integration of TCDPDF for TYPO3 (t3_tcpdf) into the PDF Controller.

NetConsult AG, Bern, Switzerland
http://www.netconsult.ch/

typo3-lisardo.de

[2.0.0]

Peter Linzenkirchner contracted a part of the 2.0 upgrade:

- http://www.typo3-lisardo.de/

web-arts.ch

[2.0.0]

Angelo Previtali contracted a part of the 2.0 upgrade:

- http://www.web-arts.ch/

TYPO3 Security Team

[1.1.1]

Thanks to the TYPO3 Security Team for a commendable support - especially to Franz G. Jahn.

Helpful suggestions

Forum

If you have helpful suggestions, feel free to publish any question, bug or code snippet on

- http://typo3-pdfcontroller.de/

Look for the forum TYPO3 PDF Controller.

Posts are welcome in English and German.

Change log

4.0.6	**Improvement**	

4.0.6 **Improvement**
* #i0018: Check for ['FE']['lockIP']
* #i0017: _ffValue: error prompt
* #i0016: Labeling *.xlf

4.0.5 **Improvement**
* #i0015: Update Manual

4.0.4 **Improvement**
* #i0014: Flexform with DRS

4.0.3 **Update**
* #i0013: Manual with CSS sample for images

4.0.2 **Update**
* #i0012: Manual with CSS sample

4.0.1 **Bugfix**
* #i0011:   XML: missing tag
             Resources/Private/Language/de.locallang_db.xlf

4.0.0 **Major Features**
* #i0010: Preparation for TYPO3 7.x
* #i0009: Session handling

3.1.1 **Improvement**
* #i0008: Constant Editor: new property url.
Bugfix
* #i0007:   PHP Warning: in_array() expects parameter 2 to be array,
             null given in Classes/Userfunc/Flexforms/Controller.php line 181

3.0.0 **Feature**
* #i0005: Constant Editor: page.pdf_button. Id of the page, which contains the PDF Controller button. Moved
* plugin.tx_pdfcontroller_pi2.page.pdf_controller > plugin.pdfcontroller.pages.userinterface.id
* plugin.tx_pdfcontroller_pi2.realUrl.print > plugin.pdfcontroller.realUrl.print
* plugin.tx_pdfcontroller_pi2.typeNum.print > plugin.pdfcontroller.pages.print.typeNum

2.0.4 **Manual**
* #i0004: Update

2.0.3 **SECURITY FIX!**
* #i0003: Fix against Cross-Site Scripting
             Done by Christian Bernet, http://www.bernetimux.ch/

2.0.2 **Bugfix**
* #i0001: Class t3lib_extMgm is moved to \TYPO3\CMS\Core\Utility\ExtensionManagementUtility
Improvement
* #i0002: state is moved from alpha to beta

2.0.0 **Major Feature**
* #62278: Upgrade TYPO3 6.2
             #62285: PHP 5.4 E_ALL & ~E_STRICT
             #62289: PHP 5: Call to undefined method FPDF::GetFontAscender()
             #62281: Warning in case of [FE][pageNotFoundOnCHashError]
             #53019: Depracted require() functions for Typo3 6.2
* #47107: Manual: Configuration in case of HTML5 (HTML4)

1.4.3 **Manual**
* #00000: Note frontend user sessions

1.4.1 **Bugfix**
* #00000: Wrong TypoScript snippet is now proper in the manual

1.3.0 **Bugfix**
* #36862: Additional Parameter has to encoded since TYPO 4.6
             Marker ###ADDITIONALPARAMS### is handled by rawUrlEncode( )
             Effected file:

* pi2/class.tx_pdfcontroller_pi2.php

Improvement
* #00000: Two master template are added. One for a rawUrlEncode case, one for a realUrl case.
* #00000: DRS got prompts for marker and typolink
* #00000: Manual is updated

1.2.1 Bugfix
* #36857: Missing index in systemcheck.php: JPG Support
  Effected file:
  * res/html2ps_v2043/public_html/demo/systemcheck.php

1.2.0 New Features

* #36513: Enable Batch Processing
  Coded by Jonas Goetze http://forge.typo3.org/users/4345
* #36228: Display PHP error messages – configurable by the plugin / flexform
  Coded by Ulfried Herrmann http://herrmann.at.die-netzmacher.de

1.1.4 Bugfix

* #34939: Get rid of PHP notice logs
  Thanks to Alexander Krimm for the bug report

1.1.3 Improvement

* #34858: Usage of $ICON_TYPES is deprecated since 4.4.
  Thanks to Rene Staecker http://forge.typo3.org/users/1993

1.1.2 Bugfix

* #00000: SQL error in the query in context with development tools
  Thanks to Borries Jensen, who send the Bugfix.

* #00000: After clearing the dirs cache, out and temp each folder get a file index.html

1.1.1 New Feature
* #33851: SEO rel="nofollow"
Improvements
* #00000: pi1/flexform_locallang.xml

1.1.0 Security fix

1.0.1 Improvements
* #32516: Systemcheck should check fonts in directory of pdfcontroller_fonts
* #32513: typeNum print template is configurable by the TypoScript constant editor
* #32482: PDF Controller suggests to install Fonts

Bugfixes
* #32518: Wrong field name for proxy in the flexform. Thanks to Borries Jensen
* #31191: Missing folders temp and out. Thanks to Borries Jensen
* #31190: Parameter are missing - without RealURL only. Thanks to Borries Jensen

1.0.0 Initial release

Illustration Index

Alphabetical Index